

Title (en)

Hydrocracking catalyst comprising a not globally dealuminated zeolite Y, a group VB element and a promoter

Title (de)

Ein einen nicht globalen entaluminierten Y Zeolith, ein Element der Gruppe VB und einen Promotor enthaltender Hydrosplaltungskatalysator

Title (fr)

Catalyseur d'hydrocraquage comprenant une zéolithe Y non globalement désaluminée, un élément du groupe VB et un élément promoteur

Publication

**EP 0967012 A1 19991229 (FR)**

Application

**EP 99401513 A 19990618**

Priority

FR 9808050 A 19980625

Abstract (en)

The catalyst is bifunctional and have a high cracking activity and acidity. The composition gives good flexibility of operation of the hydrocracking reaction at various temperatures and pressures. The catalyst comprises an oxide-type amorphous, or poorly crystallized, matrix, a group VB element, a zeolite Y (non-dealuminized) of lattice parameter greater than 2.438 nm and SiO<sub>2</sub> / Al<sub>2</sub>O<sub>3</sub> (global) less than 8, with a promoter element chosen from boron, phosphorus or silicon. An Independent claim is also included for the preparation of the catalyst comprising: (a) weighing and drying a precursor solid which comprises a matrix, zeolite Y, a promoter (boron, phosphorus or silicon compounds), a group VIB or VIII compound and a group VIIA element, with the mixture formed by extrusion, pastillating, etc. (b) calcining the dry solid obtained above 150 degrees C; (c) dry impregnating the solid precursor with a group VB element, preferably niobium; (d) leaving the moist solid in a moist atmosphere at 10-120 degrees C; (e) drying the solid at 60-150 degrees C; and (f) calcining the dried solid at greater than or equal to 250 degrees C.

IPC 1-7

**B01J 29/16; C10G 47/20**

IPC 8 full level

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CPC (source: EP KR US)

**B01J 23/20** (2013.01 - KR); **B01J 29/166** (2013.01 - EP US); **C10G 47/16** (2013.01 - EP US)

Citation (search report)

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